

hsf and bp.txt

Set	Items	Description
? E AU=berthet, fran?		
Ref	Items	Index-term
E1	3	AU=BERTHET, FLORENTIN
E2	0	*AU=BERTHET, FRAN?
E3	2	AU=BERTHET, FRANCK
E4	6	AU=BERTHET, FRANCOIS
E5	2	AU=BERTHET, FRANCOIS XAVIER
E6	20	AU=BERTHET, FRANCOIS-XAVIER
E7	7	AU=BERTHET, FRANCOIS-XAVIER JACQUES
E8	2	AU=BERTHET, FRANCOISE
E9	5	AU=BERTHET, FRANCOIS-XAVIER
E10	2	AU=BERTHET, FREDERIC
E11	2	AU=BERTHET, FX
E12	3	AU=BERTHET, G

Enter P or PAGE for more

? s e4-e9	6	AU=BERTHET, FRANCOIS
	2	AU=BERTHET, FRANCOIS-XAVIER
	20	AU=BERTHET, FRANCOIS-XAVIER
	7	AU=BERTHET, FRANCOIS-XAVIER JACQUES
	2	AU=BERTHET, FRANCOISE
	5	AU=BERTHET, FRANCOIS-XAVIER
S1	42	E4-E9

? rd

>>> Duplicate detection is not supported for File 393.

>>> Duplicate detection is not supported for File 391.

>>> Records from unsupported files will be retained in the RD set.

S2 26 RD (unique items)

? s s2 and Neisseria

26 S2

154615 NEISSERIA

S3 5 S2 AND NEISSERIA

? t s3/k/1-5

>>> KWC option is not available in file(s): 399

3/3, K/1 (item 1 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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140198065 CA: 140(13) 198065a PATENT

Vaccine compositions comprising Neisseria adhesin, autotransporter, toxin, iron acquisition protein and membrane-associated protein against Neisseria infection

INVENTOR/AUTHOR: Berthet, Francois-xavier Jacques; Biernans, Ralph; Denoel, Philippe; Feron, Christiane; Goraj, Karine; Poolman, Jan; Veynants, Vincent

LOCATION: Belg.

ASSIGNEE: Galaxosmithkline Biologicals S.A.

PATENT: PCT International ; WO 200414418 A2 DATE: 20040219

APPLICATION: WO 2003EP8571 (20030731) \*GB 200218037 (20020802) \*GB 200218036 (20020802) \*GB 200218035 (20020802) \*GB 200218051 (20020802) \*GB 200220197 (20020830) \*GB 200220199 (20020830) \*GB 200225524 (20021101) \*GB 200225531 (20021101) \*GB 200230164 (20021224) \*GB 200230170 (20021224) \*GB 20035028 (20030305)

PAGES: 113 pp. CODEN: PI XXD2 LANGUAGE: English

hsf and bp. txt

PATENT CLASSI FI CATI ONS:

CLASS: A61K-039/ 02A

DESI GNATED COUNTRI ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;  
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;  
GM; HR; HU; ID; I L; I N; I S; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;  
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;  
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; US; UZ; VC; VN;  
YU; ZA; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU DESI GNATED REGI ONAL: GH; GM; KE  
; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK;  
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;  
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

3/3, K/2 (Item 2 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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140180125 CA: 140(12) 180125k PATENT

Vaccine composition comprising transferrin binding protein and Hsf  
against Neisseria meningitidis, Neisseria gonorrhoeae, Neisseria catarrhalis and Haemophilus influenzae

INVENTOR(AUTHOR): Berthet, Francois-Xavier Jacques; Biemans, Raphaël;  
Denoel, Philippe; Feron, Christiane; Goraj, Carine; Poolman, Jan; Véynants,  
Vincent

LCCATI ON: Bel g.

ASSIGNEE: Gaxosmithkline Biologicals S.A.

PATENT: PCT International ; WO 200414419 A1 DATE: 20040219

APPLI CATI ON: WO 2003EP8567 (20030731) \*GB 200218037 (20020802) \*GB

200218036 (20020802) \*GB 200218035 (20020802) \*GB 200218051 (20020802) \*GB

200220197 (20020830) \*GB 200220199 (20020830) \*GB 200225524 (20021101) \*GB

200225531 (20021101) \*GB 200230164 (20021224) \*GB 200230168 (20021224) \*GB

200230170 (20021224) \*GB 20035028 (20030305)

PAGES: 64 pp. CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

CLASS: A61K-039/ 095A; A61K-039/ 102B; A61K-039/ 00B

DESI GNATED COUNTRI ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;  
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;  
GM; HR; HU; ID; I L; I N; I S; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;  
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;  
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; US; UZ; VC; VN;  
YU; ZA; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU DESI GNATED REGI ONAL: GH; GM; KE  
; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK;  
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;  
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

3/3, K/3 (Item 3 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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137184449 CA: 137(13) 184449e PATENT

Vaccine composition

INVENTOR(AUTHOR): Berthet, Francois-Xavier Jacques; Lobet, Yves; Poolman,  
Jan; Verlant, Vincent Georges Christian Louis

LCCATI ON: Bel g.

ASSIGNEE: Smithkline Beecham Biologicals S.A.

PATENT: PCT International ; WO 200262380 A2 DATE: 20020815

APPLI CATI ON: WO 2002EP1356 (20020208) \*GB 20013169 (20010208)

PAGES: 75 pp. CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

CLASS: A61K-039/ 116A; A61P-031/ 04B

DESI GNATED COUNTRI ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;  
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;

GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;  
 LV; MA; MD; MG; MK; MN; MW; MK; MZ; NO; NZ; OM; PH; PL; PT; RO; RU; SD; SE;  
 SG; SI; SK; SL; TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZM; ZW; AM;  
 AZ; BY; KG; KZ; MD; RU; TJ; TM DESI GNATED REGI ONAL; GH; GM; KE; LS; MW; MZ;  
 SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR;  
 IE; IT; LU; MC; NL; PT; SE; TR; BF; BJ; OF; OG; CI; OM; GA; GN; GQ; GW; ML;  
 MR; NE; SN; TD; TG

3/3, K/4 (Item 4 from file: 399)  
 DI ALCG(R) File 399: CA SEARCH(R)  
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137184447 CA: 137(13) 184447C PATENT  
 Vaccine composition comprising hyperbifibrillating Gram-neg. bacteria which  
 have down-regulated toll genes and mutated peptidoglycan-binding proteins  
 INVENTOR(AUTHOR): Berthet, Francois-Xavier Jacques; Denoel, Philippe;  
 Neyt, Cecile Anne; Poolman, Jan; Thonnard, Joelle  
 LOCATI CN: Belg.  
 ASSIGNEE: Smithkline Beecham Biologicals S.A.

PATENT: PCT International ; WO 200202378 A2 DATE: 20020815  
 APPLICATI CN: WO 2002EP1361 (20020208) \*GB 20013171 (20010208)  
 PAGES: 71 pp. CODEN: PI XXD2 LANGUAGE: English  
 PATENT CLASSIFI CATI CNS:

CLASS: A61K-039/00A  
 DESI GNATED COUNTRI ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;  
 CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;  
 GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;  
 LV; MA; MD; MG; MK; MN; MW; MK; MZ; NO; NZ; OM; PH; PL; PT; RO; RU; SD; SE;  
 SG; SI; SK; SL; TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZM; ZW;  
 AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESI GNATED REGI ONAL; GH; GM; KE; LS; MW;  
 MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
 GR; IE; IT; LU; MC; NL; PT; SE; TR; BF; BJ; OF; OG; CI; OM; GA; GN; GQ; GW;  
 ML; MR; NE; SN; TD; TG

3/3, K/5 (Item 5 from file: 399)  
 DI ALCG(R) File 399: CA SEARCH(R)  
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134146387 CA: 134(11) 146387P PATENT  
 Immuno-protective and non-toxic Gram-neg. fibril vaccine suitable for  
 pediatric use  
 INVENTOR(AUTHOR): Berthet, Francois-xavier Jacques; Delermans, Wilfried L.  
 J.; Denoel, Philippe; Dequesne, Guy; Feron, Christiane; Lobet, Yves;  
 Poolman, Jan; Thiry, Georges; Thonnard, Joelle; Voet, Pierre  
 LOCATI CN: Belg.  
 ASSIGNEE: Smithkline Beecham Biologicals S.A.

PATENT: PCT International ; WO 200109350 A2 DATE: 20010208  
 APPLICATI CN: WO 2000EP7424 (20000731) \*GB 9918319 (19990803)  
 PAGES: 128 pp. CODEN: PI XXD2 LANGUAGE: English  
 PATENT CLASSIFI CATI CNS:

CLASS: C12N-015/74A; A61K-039/02B; C12N-015/31B; C12N-015/67B;  
 A61K-039/095B; A61K-039/116B; A61K-039/118B; A61K-039/09B; A61K-039/104B;  
 A61K-039/102B; A61K-039/295B; C07K-014/195B; C12N-001/21B  
 DESI GNATED COUNTRI ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;  
 CA; CH; CN; CR; CU; CZ; DE; DK; DM; DZ; EE; ES; FI; GB; GD; GE; GH; GM; HR;  
 HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA;  
 MD; MG; MK; MN; MW; MK; MZ; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL;  
 TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZW; AM; AZ; BY; KG; KZ; MD;  
 RU; TJ; TM DESI GNATED REGI ONAL; GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG;  
 ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT;  
 SE; BF; BJ; CF; OG; CI; OM; GA; GN; GW; ML; MR; NE; SN; TD; TG

## hsf and bp.txt

? e au=bi emans, ra?

Ref	Items	Index-term
E1	29	AU=BI EMANS, R.
E2	0	* AU=BI EMANS, RA?
E3	25	AU=BI EMANS, RALPH
E4	20	AU=BI EMANS, RALPH LEON
E5	1	AU=BI EMANS, ROLIER
E6	2	AU=BI EMANS, T.
E7	1	AU=BI EMANS, TOINE
E8	1	AU=BI EMANS, TOINE H.
E9	3	AU=BI EMANS, W
E10	105	AU=BI EMANS, W G
E11	1	AU=BI EMANS, W G
E12	1	AU=BI EMANS, WM

Enter P or PAGE for more

? s e1-e4  
 29 AU=BI EMANS, R.  
 0 AU=BI EMANS, RA?  
 25 AU=BI EMANS, RALPH  
 20 AU=BI EMANS, RALPH LEON  
 S4 73 E1-E4

? s s4 and Neisseria  
 73 S4  
 154615 NEISSERIA  
 S5 16 S4 AND NEISSERIA

? rd

&gt;&gt;&gt;Duplicate detection is not supported for File 393.

&gt;&gt;&gt;Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.  
 S6 15 RD (unique items)

? t s6/3,k/1-15

&gt;&gt;&gt;KWC option is not available in file(s): 399

6/3, K1 (item 1 from file: 399)  
 Duplicate File 399: CA SEARCH(R)  
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151108227 CA: 151(5)108227e PATENT  
 Method for preparing protein conjugates  
 INVENTOR(AUTHOR): Blmans, Ralph Leon; Duvivier, Pierre  
 LOCATI ON: Bel g.  
 ASSIGNEE: Glaxosmithkline Biologicals S.A.  
 PATENT: PCT International ; WO 2009077438 A1 DATE: 20090625  
 APPLICATI ON: WO 2008EP67378 (20081212) \*GB 200724360 (20071214)  
 PAGES: 87pp. CODEN: PI XXXD LANGUAGE: English  
 PATENT CLASSIFI CATI ONS:

I PCF/8 + Level	Va lue	Po si ti on	S tatus	Versi on	A cti on	Source	O ffice
A61K-0047/48	A	I	F	B	20060101	H	EP
DESI GNATED COUNTRI ES:	AE; AG; AL; AM; AO; AT; AU; AZ; BA; BB; BG; BH; BR;						
BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DO; DZ; EC; EE; EG; ES;							
FI; GB; GD; GE; GH; GM; GT; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN;							
KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LY; MA; MD; ME; MG; MK; MN; MW; MK;							
MY; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG;							
SK; SL; SM; ST; SY; TJ; TM; TN; TR; DESI GNATED REGI ONAL:	AT; BE; BG; CH;						
CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LT; LU; LV;							
MC; MT; NL; NO; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; OM; GA; GN;							
GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ;							
TZ; UG; ZM; ZW	AM; AZ; BY; KG; KZ; MD; RU; TJ; TM						

hsf and bp.txt

6/3, K/2 (Item 2 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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149150894 CA: 149(7) 150894d PATENT

Process for conjugation of bacterial poly- or oligosaccharides and proteins, polypeptide and polynucleotide sequences of proteins, and their use in vaccines

INVENTOR(AUTHOR): Biemans, Ralph Leon; Duviplier, Pierre  
LOCATI ON: Belg.

ASSIGNEE: Gaxosynthkline Biologicals S. A.

PATENT: PCT International ; WO 200881014 A2 DATE: 20080710

APPLI CATI ON: WO 2008EP50011 (20080102) \*GB 2007136 (20070104)

PAGES: 101pp CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

I PCR/ 8 + Level Val ue Position Status Version Action Source Office:  
A61K-0039/ 00 A I F B 20060101 H EP

DESI GNATED COUNTRY ES: AE; AG; AL; AM; AQ; AT; AU; AZ; BA; BB; BG; BH; BR;  
BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DO; DZ; EC; EE; EG; ES;  
FI; GB; GD; GE; GH; GM; GT; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN;  
KP; KR; KZ; LA; LC; LR; LS; LT; LY; MA; MD; ME; MG; MK; MN; MW; MK;  
MY; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG;  
SK; SL; SM; SV; SY; TJ; TM; TN; TR; TT DESI GNATED REGI ONAL: AT; BE; BG; CH;  
CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LU; LV;  
MC; MT; NL; NO; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN;  
GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ;  
TZ; UG; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

6/3, K/3 (Item 3 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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149126535 CA: 149(6) 126535s PATENT

Carbohydrate coupling in the preparation of saccharide conjugate vaccines  
INVENTOR(AUTHOR): Biemans, Ralph Leon; Duviplier, Pierre  
LOCATI ON: Belg.

ASSIGNEE: Gaxosynthkline Biologicals S. A.

PATENT: PCT International ; WO 200881022 A1 DATE: 20080710

APPLI CATI ON: WO 2008EP50021 (20080102) \*GB 2007135 (20070104)

PAGES: 65pp CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

I PCR/ 8 + Level Val ue Position Status Version Action Source Office:  
A61K-0039/ 095 A I F B 20060101 H EP

A61K-0039/ 102 A I L B 20060101 H EP

A61K-0039/ 116 A I L B 20060101 H EP

A61K-0039/ 02 A I L B 20060101 H EP

DESI GNATED COUNTRY ES: AE; AG; AL; AM; AQ; AT; AU; AZ; BA; BB; BG; BH; BR;  
BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DO; DZ; EC; EE; EG; ES;  
FI; GB; GD; GE; GH; GM; GT; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN;  
KP; KR; KZ; LA; LC; LR; LS; LT; LY; MA; MD; ME; MG; MK; MN; MW; MK;  
MY; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG;  
SK; SL; SM; SV; SY; TJ; TM; TN; TR; TT DESI GNATED REGI ONAL: AT; BE; BG; CH;  
CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LU; LV;  
MC; MT; NL; NO; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN;  
GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ;  
TZ; UG; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

6/3, K/4 (Item 4 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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146099125 CA: 146(6) 99125n PATENT

Combination vaccine comprising a Haemophilus influenzae type b saccharide conjugate and addnl. bacterial saccharide conjugates

INVENTOR(AUTHOR): Biemans, Ralph Leon; Boutriau, Domique; Capiau, Carine; Denoel, Philippe; Duvioler, Pierre; Poolman, Jan  
LOCATI CN: Belg.

ASSIGNEE: Glaxosmithkline Biologicals S.A.

PATENT: PCT International ; WO 200700322 A1 DATE: 20070104

APPLICATI CN: WO 2006EP6210 (20060623) \*GB 200513069 (20050627) \*GB 200513071 (20050627) \*GB 200515556 (20050728) \*GB 200524204 (20051128) \*GB 200526040 (20051221) \*GB 200526041 (20051221)

PAGES: 52pp. CODEN: PI XXXD2 LANGUAGE: English

PATENT CLASSIFI CATI CNS:

I PCR/ 8 + Level Val ue Position Status Version Action Source Office:

A61K-0039/095 A I F B 20060101 H EP  
A61K-0039/102 A I L B 20060101 H EP  
A61K-0039/116 A I L B 20060101 H EPDESI GNATED COUNTRI ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;  
BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;  
GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA;  
LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI;  
NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ;  
TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC DESI GNATED REGI ONAL: AT; BE; BG; CH;  
CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC;  
NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; OM; GA; GN; GQ; GW; ML;  
MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM  
ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

6/3\_K5 (Item 5 from file: 399)

DI ALCO(R) File 399: CA SEARCH(R)

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146099123 CA: 146(6) 99123k PATENT

Immunogenic composition containing Neisseria meningitidis capsular saccharides

INVENTOR(AUTHOR): Biemans, Ralph Leon; Boutriau, Domique; Capiau, Carine; Denoel, Philippe; Duvioler, Pierre; Poolman, Jan  
LOCATI CN: Belg.

ASSIGNEE: Glaxosmithkline Biologicals S.A.

PATENT: PCT International ; WO 200700341 A2 DATE: 20070104

APPLICATI CN: WO 2006EP6268 (20060623) \*GB 200513069 (20050627) \*GB 200513071 (20050627) \*GB 200515556 (20050728) \*GB 200524204 (20051128) \*GB 200526041 (20051221)

PAGES: 66pp. CODEN: PI XXXD2 LANGUAGE: English

PATENT CLASSIFI CATI CNS:

I PCR/ 8 + Level Val ue Position Status Version Action Source Office:

A61K-0039/095 A I F B 20060101 H EP  
A61K-0039/102 A I L B 20060101 H EP  
A61K-0039/116 A I L B 20060101 H EPDESI GNATED COUNTRI ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;  
BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;  
GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA;  
LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI;  
NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ;  
TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC DESI GNATED REGI ONAL: AT; BE; BG; CH;  
CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC;  
NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; OM; GA; GN; GQ; GW; ML;  
MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM  
ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

hsf and bp.txt

6/3, K/6 (Item 6 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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146099122 CA: 146(6) 99122j PATENT

Neisseria meningitidis capsular polysaccharide vaccine conjugate  
INVENTOR(AUTHOR): Biemans, Ralph Leon; Boutriau, Dominique; Capiaru, Carine; Denoel, Philippe; Duvioller, Pierre; Poolman, Jan  
LOCATI ON: Bel g.

ASSIGNEE: Glaxosmithkline Biologicals S.A.

PATENT: PCT International ; WO 200700314 A2 DATE: 20070104

APPLI CATI ON: WO 2006EP6188 (20060623) \*GB 200513071 (20050627) \*GB 200513069 (20050627) \*GB 200515556 (20050728) \*GB 200524204 (20051128) \*GB 200526040 (20051221) \*GB 200526041 (20051221)

PAGES: 46pp. CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSIFI CATI ONS:

I PCR/8 + Level Val ue Position St at us Ver sion Action Source Office:

A61K-0039/095	A	I	F	B	20060101	H	EP
A61K-0039/102	A	I	L	B	20060101	H	EP
A61K-0039/116	A	I	L	B	20060101	H	EP
A61P-0031/04	A	I	L	B	20060101	H	EP

DESI GNATED COUNTRY ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;  
BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;  
GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA;  
LC; LK; LR; LS; LT; LU; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI;  
NC; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ;  
TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC DESI GNATED REGI ONAL: AT; BE; BG; CH  
; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC;  
NL; PL; PT; RO; SE; SI; SK; TR; BE; BJ; CF; OG; CI; OM; GA; GN; GQ; GW; M;  
MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM;  
ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

6/3, K/7 (Item 7 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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146099120 CA: 146(6) 99120g PATENT

Immunogenic composition containing Neisseria meningitidis capsular polysaccharides

INVENTOR(AUTHOR): Biemans, Ralph Leon; Boutriau, Dominique; Capiaru, Carine; Denoel, Philippe; Duvioller, Pierre; Poolman, Jan  
LOCATI ON: Bel g.

ASSIGNEE: Glaxosmithkline Biologicals S.A.

PATENT: PCT International ; WO 200700342 A2 DATE: 20070104

APPLI CATI ON: WO 2006EP6269 (20060623) \*GB 200513069 (20050627) \*GB 200513071 (20050627) \*GB 200515556 (20050728) \*GB 200524204 (20051128) \*GB 200526040 (20051221) \*GB 200526041 (20051221)

PAGES: 64pp. CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSIFI CATI ONS:

I PCR/8 + Level Val ue Position St at us Ver sion Action Source Office:

A61K-0039/095	A	I	F	B	20060101	H	EP
A61K-0039/102	A	I	L	B	20060101	H	EP
A61K-0039/116	A	I	L	B	20060101	H	EP
A61P-0031/04	A	I	L	B	20060101	H	EP

DESI GNATED COUNTRY ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;  
BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;  
GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA;  
LC; LK; LR; LS; LT; LU; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI;  
NC; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ;  
TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC DESI GNATED REGI ONAL: AT; BE; BG; CH  
; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC;

hsf and bp.txt  
NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; OG; CI; OM; GA; GN; GQ; GW; ML;  
MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM;  
ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

6/3, K/8 (item 8 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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146099119 CA: 146(6) 99119p PATENT

Preparation of saccharide-protein conjugates for vaccination  
INVENTOR(AUTHOR): Biemans, Ralph Leon; Duvivier, Pierre  
LOCATCN: Bel g.

ASSIGNEE: Galaxosynthkline Biologicals S.A.

PATENT: PCT International ; WO 200700343 A2 DATE: 20070104

APPLICATION: WO 2006EP6270 (20060623) \*GB 200513069 (20050627) \*GB 200513071 (20050627) \*GB 200515556 (20050728) \*GB 200524204 (20051128) \*GB 200526040 (20051221) \*GB 200526041 (20051221)

PAGES: 37pp. CODEN: PI XXXD LANGUAGE: English

PATENT CLASSIFICATION:

I	PCP/8 + Level	Value	Position	Status	Version	Action	Source	Office
A61K-	0039/ 095	A	I	F	B	20060101	H	EP
A61K-	0039/ 102	A	I	L	B	20060101	H	EP
A61K-	0039/ 116	A	I	L	B	20060101	H	EP
A61P-	0031/ 04	A	I	L	B	20060101	H	EP

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;  
BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;  
GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA;  
LC; LK; LR; LS; LT; LU; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI;  
NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ;  
TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC DESIGNATED REGIONAL: AT; BE; BG; CH;  
CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC;  
NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; OG; CI; OM; GA; GN; GQ; GW; ML;  
MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM;  
ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

6/3, K/9 (item 9 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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146099118 CA: 146(6) 99118n PATENT

Combination vaccines comprising Haemophilus influenzae type b saccharide conjugate, an addnl. bacterial saccharide conjugate, and further antigens  
INVENTOR(AUTHOR): Biemans, Ralph Leon; Bouriau, Dominique; Capiau, Caroline; Denoeil, Philippe; Duvivier, Pierre; Poolman, Jan  
LOCATCN: Bel g.

ASSIGNEE: Galaxosynthkline Biologicals S.A.

PATENT: PCT International ; WO 200700327 A1 DATE: 20070104

APPLICATION: WO 2006EP6220 (20060623) \*GB 200513069 (20050627) \*GB 200513071 (20050627) \*GB 200515556 (20050728) \*GB 200524204 (20051128) \*GB 200526041 (20051221) \*GB 200526040 (20051221)

PAGES: 49pp. CODEN: PI XXXD LANGUAGE: English

PATENT CLASSIFICATION:

I	PCP/8 + Level	Value	Position	Status	Version	Action	Source	Office
A61K-	0039/ 095	A	I	F	B	20060101	H	EP
A61K-	0039/ 102	A	I	L	B	20060101	H	EP
A61K-	0039/ 116	A	I	L	B	20060101	H	EP

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;  
BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;  
GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA;  
LC; LK; LR; LS; LT; LU; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI;  
NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ;

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TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC DESIGNED REGI ONAL: AT; BE; BG; CH  
; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC;  
NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; IL;  
MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; NA; SD; SL; SZ; TZ; UG; ZM;  
ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

6/3, K/10 (Item 10 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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140259048 CA: 140(16)259048W PATENT

Neisseria outer membrane BPr protein containing loop-del etions for improved refolding and vaccine use

INVENTOR(AUTHOR): Biemans, Ralph; Denoel, Philippe; Feron, Christiane; Goraj, Karine; Kortekaas, Jeroen; Poolman, Jan; Tomassen, Jan; Weynants, Vincent

LOCATI ON: Bel g.

ASSIGNEE: Gaxosmthkline Biologicals S. A.; Utrecht University; Technolog y Foundation (Sichting Voor de Technische Wetenschappen)

PATENT: PCT International ; WO 200420463 A2 DATE: 20040311

APPLI CATI ON: WO 2003EP9634 (20030828) \*GB 200220199 (20020830)

PAGES: 104 pp. CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

CLASS: C07K-014/00A

DESI GNATED COUNTRI ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;  
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;  
GM; HR; HU; ID; I L; I N; I S; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;  
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;  
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;  
YU; ZA; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU DESIGNED REGI ONAL: GH; GM; KE  
; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK;  
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;  
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; IL; MR; NE; SN; TD; TG

6/3, K/11 (Item 11 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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140249770 CA: 140(16)249770M PATENT

Refolding of recombinant ly produced NspA protein from Neisseria using the detergent SB-12 in an alkaline refolding buffer and use of NspA in the treatment, prevention and diagnosis of Neisseria infections

INVENTOR(AUTHOR): Biemans, Ralph; Bos, Martine; Denoel, Philippe; Feron, Christiane; Goraj, Karine; Poolman, Jan; Tomassen, Jan; Weynants, Vincent

LOCATI ON: Bel g.

ASSIGNEE: Gaxosmthkline Biologicals S. A.; Utrecht University

PATENT: PCT International ; WO 200420452 A2 DATE: 20040311

APPLI CATI ON: WO 2003EP10085 (20030828) \*GB 200220197 (20020830)

PAGES: 62 pp. CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

CLASS: C07K-000/A

DESI GNATED COUNTRI ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;  
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;  
GM; HR; HU; ID; I L; I N; I S; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;  
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;  
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;  
YU; ZA; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU DESIGNED REGI ONAL: GH; GM; KE  
; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK;  
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;  
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; IL; MR; NE; SN; TD; TG

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6/3, K/12 (Item 12 from file: 399)  
DI ALCG(R) File 399: CA SEARCH(R)  
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140198071 CA: 140(13)198071z PATENT

Meningococcal genetically engineered vaccine composition which has a fixed or locked lipooligosaccharide (LOS) immunotype  
INVENTOR/AUTHOR: Biemans, Ralph; Denoel, Philippe; Feron, Christiane; Goraj, Karine; Jennings, Michael Paul; Poolman, Jan; Veynants, Vincent  
LOCATI ON: Belg.

ASSIGNEE: Glaxosmithkline Biologicals S.A.; The University of Queensland and  
PATENT: PCT International A2 DATE: 20040219

APPLI CATION: WO 2003EP8569 (20030731) \*GB 200218037 (20020802) \*GB  
200218036 (20020802) \*GB 200218035 (20020802) \*GB 200218051 (20020802) \*GB  
200220197 (20020830) \*GB 200220199 (20020830) \*GB 200225524 (20021101) \*GB  
200225531 (20021101) \*GB 200230164 (20021224) \*GB 200230168 (20021224) \*GB  
200230170 (20021224) \*GB 20035028 (20030305)

PAGES: 42 pp. CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSIFICATION:

CLASS: C12N-015/00A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;  
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;  
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;  
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;  
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;  
YU; ZA; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; DESIGNATED REGIONAL: GH; GM; KE  
; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK;  
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;  
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

6/3, K/13 (Item 13 from file: 399)  
DI ALCG(R) File 399: CA SEARCH(R)  
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140198065 CA: 140(13)198065a PATENT

Vaccine compositions comprising Neisseria adhesin, autotransporter, toxin, iron acquisition protein and membrane-associated protein against Neisseria infection  
INVENTOR/AUTHOR: Berthet, Francois-xavier Jacques; Biemans, Ralph;  
Denoel, Philippe; Feron, Christiane; Goraj, Karine; Poolman, Jan; Veynants, Vincent  
LOCATI ON: Belg.

ASSIGNEE: Glaxosmithkline Biologicals S.A.

PATENT: PCT International A2 DATE: 20040219

APPLI CATION: WO 2003EP8571 (20030731) \*GB 200218037 (20020802) \*GB  
200218036 (20020802) \*GB 200218035 (20020802) \*GB 200218051 (20020802) \*GB  
200220197 (20020830) \*GB 200220199 (20020830) \*GB 200225524 (20021101) \*GB  
200225531 (20021101) \*GB 200230164 (20021224) \*GB 200230168 (20021224) \*GB  
200230170 (20021224) \*GB 20035028 (20030305)

PAGES: 113 pp. CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSIFICATION:

CLASS: A61K-039/02A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;  
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;  
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;  
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;  
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;  
YU; ZA; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; DESIGNATED REGIONAL: GH; GM; KE  
; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK;  
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;  
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

6/3, K/14 (Item 14 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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140180125 CA: 140(12)180125K PATENT

Vaccine composition comprising transferrin binding protein and Hsf agaisnt Neisseria meningitidis, Neisseria gonorrhoeae, M. axilla catarrhalis and Haemophilus influenzae.

INVENTOR(AUTHOR): Berthet, Francois-xavier; Biemans, Ralph; Denoel, Philippe; Feron, Christiane; Goraj, Carine; Poolman, Jan; Weynants, Vincent

LCATC CN: Belg.

ASSIGNEE: Gaxosmithkline Biologicals S.A.

PATENT: PCT International ; WO 200414419 A1 DATE: 20040219

APPLI CATI CN: WO 2003EP8567 (20030731) \*GB 200218037 (20020802) \*GB 200218036 (20020802) \*GB 200218035 (20020802) \*GB 200218051 (20020802) \*GB 200220197 (20020830) \*GB 200220199 (20020830) \*GB 200225524 (20021101) \*GB 200225531 (20021101) \*GB 200230164 (20021224) \*GB 200230168 (20021224) \*GB 200230170 (20021224) \*GB 20035028 (20030305)

PAGES: 64 pp. CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSIFI CATION(S):

CLASS: A61K-039/095A; A61K-039/102B; A61K-039/00B

DESIGNATED COUNTRY ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; YU; ZA; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; DESIGNED REGIONAL: GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

6/3, K/15 (Item 15 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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140180124 CA: 140(12)180124J PATENT

Engineered menococcal strains comprising LOS subunit or outer membrane vesicle with downregulated or deleted PorA, Opa and/or Opc for use as neisserial vaccines.

INVENTOR(AUTHOR): Biemans, Ralph; Denoel, Philippe; Feron, Christiane; Goraj, Karine; Poolman, Jan; Weynants, Vincent

LCATC CN: Belg.

ASSIGNEE: Gaxosmithkline Biologicals S.A.

PATENT: PCT International ; WO 200414417 A2 DATE: 20040219

APPLI CATI CN: WO 2003EP8568 (20030731) \*GB 200218037 (20020802) \*GB 200218036 (20020802) \*GB 200218035 (20020802) \*GB 200218051 (20020802) \*GB 200220197 (20020830) \*GB 200220199 (20020830) \*GB 200225524 (20021101) \*GB 200225531 (20021101) \*GB 200230164 (20021224) \*GB 200230168 (20021224) \*GB 200230170 (20021224) \*GB 20035028 (20030305)

PAGES: 51 pp. CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSIFI CATION(S):

CLASS: A61K-039/00A

DESIGNATED COUNTRY ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VC; VN; YU; ZA; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; DESIGNED REGIONAL: GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; BG; CH; CY; CZ; DE; DK;

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EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;  
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG  
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Ref Items Index-term  
E1 10 AU=DENOEL, P.  
E2 12 AU=DENOEL, P. A.  
E3 0 \*AU=DENOEL, P?  
E4 21 AU=DENOEL, PA  
E5 2 AU=DENOEL, PH  
E6 32 AU=DENOEL, PHI LI PPE  
E7 6 AU=DENOEL, PHI LI PPE A.  
E8 11 AU=DENOEL, PHI LI PPE A.  
E9 6 AU=DENOEL, S.  
E10 14 AU=DENOEL, V.  
E11 5 AU=DENOEL, VI NCENT  
E12 14 AU=DENOEL, X.

Enter P or PAGE for more

? s e1-e8

10 AU=DENOEL, P.  
12 AU=DENOEL, P. A.  
0 AU=DENOEL, P?  
21 AU=DENOEL, PA  
2 AU=DENOEL, PH  
32 AU=DENOEL, PHI LI PPE  
6 AU=DENOEL, PHI LI PPE A.  
11 AU=DENOEL, PHI LI PPE A.  
S7 94 E1-E8

? s s7 and Neisseria

94 S7

154615 NEISSERIA

S8 22 S7 AND NEISSERIA

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>>>KWC option is not available in file(s): 399

8/3,K/1 (item 1 from file: 24)  
DiALCG(R) File 24: CSA Life Sciences Abstracts  
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0003160890 IP ACCESSION NO: 7931981  
Additive and Synergistic Bactericidal Activity of Antibodies Directed  
against Membrane Proteins of *Neisseria meningitidis*

Weynants, Vincent E; Feron, Christiane M; Goraj, Karine K; Bos, Martine P; Denoel, Philippe A; Verlant, Vincent G; Tommassen, Jan; Peak, Ian RA; Judd, Ralph C; Jennings, Michael P; Poolman, Jan T  
GaxoSmithKline Biologicals, B-1330 Rixensart, Belgium Department of  
Molecular & Microbiology, Utrecht University, 3584-CH Utrecht, The  
Netherlands. Institute for Glycomics, Griffith University, Southport QLD  
4215, Australia. Division of Biological Sciences, University of Montana,  
Missoula, Montana 59812. School of Molecular & Microbial Sciences,  
University of Queensland, Brisbane QLD 4072, Australia

Infection and Immunity, v 75, n 11, p 5434-5442, November 2007  
PUBLICATION DATE: 2007

PUBLISHER: American Society for Microbiology, 1755 N Street N.W.  
Washington, DC 20036 USA, [URL: <http://www.asm.org/>]

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0019-9567

ELECTRONIC ISSN: 1098-5522

FILE SEGMENT: Immunology Abstracts; Bacteriology Abstracts (Microbiology B)

Additive and Synergistic Bactericidal Activity of Antibodies Directed against Major Outer Membrane Proteins of *Neisseria meningitidis*

Weynants, Vincent E; Feron, Christiane M; Coraj, Karine K; Bos, Martine P; Denoel, Philippe A; Verlant, Vincent G; Tommassen, Jan; Peak, Ian RA; Judd, Ralph C; Jennings, Michael...

ABSTRACT:

*Neisseria meningitidis* serogroup B is a major cause of bacterial meningitis in younger populations. The available...

...DESCRIPTORS: Antibodies; Bactericidal activity; Children; Complement; Cross-protection; Membrane vesicles; Meningitis; Mucry; Vaccines; outer membrane proteins; *Neisseria meningitidis*

8/3/K2 (Item 2 from file: 24)

DIALOG(R) File 24: CSA Life Sciences Abstracts

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0002425163 IP ACCESSION NO: 5472483

Assessment of the Nasopharyngeal Bacterial Flora of Rhesus Macaques: *Mbraxella*, *Neisseria*, *Haemophilus*, and Other Genera

Bowers, LC; Purcell, JE; Plauche, GB; Denoel, PA; Lobet, Y; Philipp, MT\*  
Department of Bacteriology and Parasitology, Tulane National Primate Research Center, 18703 Three Rivers Rd., Covington, LA 70433,  
[mailto:philipp@pc.tulane.edu]

Journal of Clinical Microbiology, v 40, n 11, p 4340-4342, November 2002  
PUBLICATION DATE: 2002

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0095-1137

FILE SEGMENT: Bacteriology Abstracts (Microbiology B)

Assessment of the Nasopharyngeal Bacterial Flora of Rhesus Macaques: *Mbraxella*, *Neisseria*, *Haemophilus*, and Other Genera

Bowers, LC; Purcell, JE; Plauche, GB; Denoel, PA; Lobet, Y; Philipp, MT\*

ABSTRACT:

The nasopharyngeal bacterial flora of healthy rhesus macaques was surveyed for the presence of *Neisseria* and *Haemophilus* species, as well as *Mbraxella catarrhalis*. *M catarrhalis* was found both in healthy...

...have been thwarted by the growth of less fastidious species. A number of animal s harbored *Neisseria* spp. such as *N. sicca*. However, *Neisseria meningitidis* was not found. In summary, it appears as though the rhesus macaque may be...

hsf and bp.txt  
... infections. Moreover, in view of the susceptibility of macaques to  
organisms of the *Haemophilus* and *Neisseria* genera, it is possible  
that these animals may also accurately model nontypeable *H. influenzae* and  
...

DESCRIPTIONS: Animal models; Infection; Nasopharynx; Macaca mulatta;  
*Haemophilus catarrhalis*; *Neisseria sicca*; *Haemophilus*;  
*Neisseria meningitidis*

8/3/K/3 (Item 1 from file: 76)  
DI ALCG(R) FILE 76: Environmental Sciences  
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0002040344 IP ACCESSION NO. 7931981  
Additive and Synergistic Bactericidal Activity of Antibodies Directed  
against Major Outer Membrane Proteins of *Neisseria meningitidis*

Weynants, Vincent E; Feron, Christiane M; Goraj, Karine K; Bos, Martine P; Denoel, Philippe A; Verlant, Vincent G; Tommassen, Jan; Peak, Ian RA; Judd, Ralph C; Jennings, Michael P; Poolman, Jan T; GaxoSmithKline Biologicals, B-1330 Rixensart, Belgium; Department of Molecular Microbiology, Utrecht University, 3584-CH Utrecht, The Netherlands; Institute for Glycomics, Griffith University, Southport QLD 4215, Australia; Division of Biological Sciences, University of Montana, Missoula, Montana 59812; School of Molecular & Microbial Sciences, University of Queensland, Brisbane QLD 4072, Australia

Infection and Immunity, v 75, n 11, p 5434-5442, November 2007  
PUBLICATION DATE: 2007

PUBLISHER: American Society for Microbiology, 1752 N Street N.W.  
Washington, DC 20036 USA, [URL: <http://www.asm.org/>]

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0019-9567

ELECTRONIC ISSN: 1098-5522

FILE SEGMENT: Bacteriology Abstracts (Microbiology B)

Additive and Synergistic Bactericidal Activity of Antibodies Directed  
against Major Outer Membrane Proteins of *Neisseria meningitidis*

Weynants, Vincent E; Feron, Christiane M; Goraj, Karine K; Bos, Martine P; Denoel, Philippe A; Verlant, Vincent G; Tommassen, Jan; Peak, Ian RA; Judd, Ralph C; Jennings, Michael ...

#### ABSTRACT:

*Neisseria meningitidis* serogroup B is a major cause of bacterial  
meningitis in younger populations. The available...

DESCRIPTIONS: Antibodies; Bactericidal activity; Children; Complement;  
Cross-protection; Membrane vesicles; Meningitis; Memory; Vaccines;  
outer membrane proteins; *Neisseria meningitidis*

8/3/K/4 (Item 2 from file: 76)  
DI ALCG(R) FILE 76: Environmental Sciences  
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hsf and bp.txt  
0001628353 IP ACCESSION NO: 5472483  
Assessment of the Nasopharyngeal Bacterial Flora of Rhesus Macaques:  
Mbraxella, Neisseria, Haemophilus, and Other Genera

Bowers, LC; Purcell, JE; Plauche, GB; Denoel, PA; Lobet, Y;  
Philippe, MT\*  
Department of Bacteriology and Parasitology, Tulane National Primate  
Research Center, 18703 Three Rivers Rd., Covington, LA 70433,  
[mailto:philipp@pc.tulane.edu]

Journal of Clinical Microbiology, v 40, n 11, p 4340-4342, November 2002  
PUBLICATION DATE: 2002

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0095-1137

FILE SEGMENT: Bacteriology Abstracts (Microbiology B)

Assessment of the Nasopharyngeal Bacterial Flora of Rhesus Macaques:  
Mbraxella, Neisseria, Haemophilus, and Other Genera

Bowers, LC; Purcell, JE; Plauche, GB; Denoel, PA; Lobet, Y;  
Philippe, MT\*

#### ABSTRACT:

The nasopharyngeal bacterial flora of healthy rhesus macaques was surveyed for the presence of *Neisseria* and *Haemophilus* species, as well as *Mbraxella catarrhalis*. *M. catarrhalis* was found both in healthy...

...have been thwarted by the growth of less fastidious species. A number of animals harbored *Neisseria* spp. such as *N. sicca*. However, *Neisseria meningitidis* was not found. In summary, it appears as though the rhesus macaque may be...

...infections. Moreover, in view of the susceptibility of macaques to organisms of the *Haemophilus* and *Neisseria* genera, it is possible that these animals may also accurately model nontypeable *H. influenzae* and ...

DESCRIPTORS: Animal models; Infection; Nasopharynx; Macaca mulatta; *Mbraxella catarrhalis*; *Neisseria sicca*; *Haemophilus*; *Neisseria meningitidis*

8/3/K5 (Item 1 from file: 399)  
DALCG(R) File 399:CA SEARCH(R)  
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150534080 CA: 150(25)5340802 JOURNAL  
Genetically modified L3,7 and L2 lipooligosaccharides from *Neisseria meningitidis* serogroup B confer a broad cross-bacterial response  
AUTHOR(S): Weynants, V.; Denoel, P.; Devos, N.; Janssens, D.; Feron, C.; Goraj, K.; Mabin, P.; Monnom, D.; Tans, C.; Vandercammen, A.; Wauters, F.; Poolman, Jan T.  
LOCATION: GalaxSmithKline Biologicals, B 1330, Rixensart, Belg.  
JOURNAL: Infect Immun. (Infection and Immunity) DATE: 2009 VOLUME: 77  
NUMBER: 5 PAGES: 2084-2093 CODEN: INFIBR ISSN: 0019-9567 LANGUAGE:  
English PUBLISHER: American Society for Microbiology

hsf and bp.txt

8/3, K/6 (Item 2 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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147484764 CA: 147(23) 484764r JOURNAL

Additive and synergistic bactericidal activity of antibodies directed against minor outer membrane proteins of *Neisseria meningitidis*

AUTHOR(S): Weynants, Vincent E.; Feron, Christiane M.; Goraj, Karine K.; Bos, Martine P.; Denoel, Philippe A.; Verlant, Vincent G.; Tommassen, Jan; Peak, Ian R. A.; Judd, Ralph C.; Jennings, Michael P.; Poolman, Jan T.

LOCATION: GhaxoSmithKline Biologicals, B-1330, Rixensart, Belg.

JOURNAL: Infect. Immun. (Infection and Immunity) DATE: 2007 VOLUME: 75

NUMBER: 11 PAGES: 5434-5442 CODEN: INFIBR ISSN: 0019-9567 LANGUAGE: English

PUBLISHER: American Society for Microbiology

8/3, K/7 (Item 3 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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146099125 CA: 146(6) 99125n PATENT

Combination vaccine comprising a *Haemophilus influenzae* type b saccharide conjugate and additional bacterial saccharide conjugates

INVENTOR(AUTHOR): Biemans, Ralph Leon; Boutriau, Dominique; Capiaru, Carine; Denoel, Philippe; Duvioller, Pierre; Poolman, Jan

LOCATION: Belg.

ASSIGNEE: GhaxoSmithKline Biologicals S.A.

PATENT: PCT International ; WO 200700322 A1 DATE: 20070104

APPLICATI ON: WO 2006EP6210 (20060623) \*GB 200513069 (20050627) \*GB 200513071 (20050627) \*GB 200515556 (20050728) \*GB 200524204 (20051128) \*GB 200526040 (20051221) \*GB 200526041 (20051221)

PAGES: 52pp. CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSIFICATION:

I PCR/8 + Level Value Position Status Version Action Source Office:

A61K-0039/095 A I F B 20060101 H EP

A61K-0039/102 A I L B 20060101 H EP

A61K-0039/116 A I L B 20060101 H EP

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; CZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HN; HR; RU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI; NO; NZ; CM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VO; DESIGNED REGIONAL: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; OG; CI; OM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

8/3, K/8 (Item 4 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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146099123 CA: 146(6) 99123k PATENT

Immunogenic composition containing *Neisseria meningitidis* capsular saccharides

INVENTOR(AUTHOR): Biemans, Ralph Leon; Boutriau, Dominique; Capiaru, Carine; Denoel, Philippe; Duvioller, Pierre; Poolman, Jan

LOCATION: Belg.

ASSIGNEE: GhaxoSmithKline Biologicals S.A.

PATENT: PCT International ; WO 200700341 A2 DATE: 20070104

APPLICATI ON: WO 2006EP6268 (20060623) \*GB 200513069 (20050627) \*GB 200513071 (20050627) \*GB 200515556 (20050728) \*GB 200524204 (20051128) \*GB

hsf andt bp.txt  
200526041 (20051221) \*GB 200526040 (20051221)  
PAGES: 66pp. CODEN: PI XXXD2 LANGUAGE: English  
PATENT CLASSIFICATION:

I	PCT/8 + Level	Value	Position	Status	Version	Action	Source	Office:
A61K	0039/ 095	A	I	F	B	20060101	H	EP
A61K	0039/ 102	A	I	L	B	20060101	H	EP
A61K	0039/ 116	A	I	L	B	20060101	H	EP

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;  
BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;  
GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA;  
LG; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI;  
NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ;  
TM; TN; TR; TT; TZ; UA; UG; UZ; VC DESIGNATED REGIONS: AT; BE; BG; CH;  
CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC;  
NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; OM; GA; GN; GQ; GW; M;  
MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM;  
ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

8/3, K/9 (Item 5 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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146099122 CA: 146(6) 99122] PATENT

Neisseria meningitidis capsular polysaccharide vaccine conjugate  
INVENTOR/AUTHOR: Biemans, Ralph Leon; Boutriau, Dominique; Capiaru,  
Carine; Denoel, Philippe; Duvioler, Pierre; Poolman, Jan  
LOCATI ON: Belg.

ASSIGNEE: Glaxosmithkline Biologicals S.A.

PATENT: PCT International application NO 200700314 A2 DATE: 20070104

APPLI CATION: WO 2006EP6188 (20060623) \*GB 200513071 (20050627) \*GB  
200513069 (20050627) \*GB 200515556 (20050728) \*GB 200524204 (20051128) \*GB  
200526040 (20051221) \*GB 200526041 (20051221)

PAGES: 46pp. CODEN: PI XXXD2 LANGUAGE: English

PATENT CLASSIFICATION:

I	PCT/8 + Level	Value	Position	Status	Version	Action	Source	Office:
A61K	0039/ 095	A	I	F	B	20060101	H	EP
A61K	0039/ 102	A	I	L	B	20060101	H	EP
A61K	0039/ 116	A	I	L	B	20060101	H	EP
A61P	0031/ 04	A	I	L	B	20060101	H	EP

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;  
BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;  
GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA;  
LG; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI;  
NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ;  
TM; TN; TR; TT; TZ; UA; UG; UZ; VC DESIGNATED REGIONS: AT; BE; BG; CH;  
CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC;  
NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; OM; GA; GN; GQ; GW; M;  
MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM;  
ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

8/3, K/10 (Item 6 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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146099120 CA: 146(6) 99120g PATENT

Immunogenic composition containing Neisseria meningitidis capsular polysaccharides

INVENTOR/AUTHOR: Biemans, Ralph Leon; Boutriau, Dominique; Capiaru,  
Carine; Denoel, Philippe; Duvioler, Pierre; Poolman, Jan  
LOCATI ON: Belg.

ASSIGNEE: Glaxosmithkline Biologicals S.A.

PATENT: PCT International ; WO 200700342 A2 DATE: 20070104  
 APPLI CATI ON: WO 2006EP6269 (20060623) \*GB 200513069 (20050627) \*GB  
 200513071 (20050627) \*GB 200515556 (20050728) \*GB 200524204 (20051128) \*GB  
 200526040 (20051221) \*GB 200526041 (20051221)  
 PAGES: 64pp. CODEN: PI XKD2 LANGUAGE: English

PATENT CLASSIFI CATION:

I PCP/ 8 + Level	Value	Position	Stat us	Versi on	Action	Source	Office:
A61K- 0039/ 095	A	I	F	B	20060101	H	EP
A61K- 0039/ 102	A	I	L	B	20060101	H	EP
A61K- 0039/ 116	A	I	L	B	20060101	H	EP
A61P- 0031/ 04	A	I	L	B	20060101	H	EP

DESI GNATED COUNTRY ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;  
 BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;  
 GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA;  
 LC; LK; LR; LS; LT; LU; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI;  
 NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ;  
 TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC DESI GNATED REG ONAL: AT; BE; BG; CH;  
 CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC;  
 NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; OM; GA; GN; GQ; GW; M;  
 MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM;  
 ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

8/3, K/11 (Item 7 from file: 399)  
 DI ALCG(R) File 399: CA SEARCH(R)  
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146099118 CA: 146(6)99118n PATENT  
 Combi nation vaccines comprising *Haemophilus influenzae* type b saccharide conjugate, an addnl. bacterial saccharide conjugate, and further antigens  
 I NVENTOR(AUTHOR): Bi emans, Ralph Leon; Boutriau, Domini que; Capi au,  
 Carine; Denoel, Philippe; Du vivier, Pierre; Pool man, Jan  
 LOCATI ON: Belg.  
 ASSIGNEE: Glaxosmithkline Bi ologi cal s. S. A.

PATENT: PCT International ; WO 200700327 A1 DATE: 20070104  
 APPLI CATI ON: WO 2006EP6220 (20060623) \*GB 200513069 (20050627) \*GB  
 200513071 (20050627) \*GB 200515556 (20050728) \*GB 200524204 (20051128) \*GB  
 200526041 (20051221) \*GB 200526040 (20051221)  
 PAGES: 49pp. CODEN: PI XKD2 LANGUAGE: English

PATENT CLASSIFI CATION:

I PCP/ 8 + Level	Value	Position	Stat us	Versi on	Action	Source	Office:
A61K- 0039/ 095	A	I	F	B	20060101	H	EP
A61K- 0039/ 102	A	I	L	B	20060101	H	EP
A61K- 0039/ 116	A	I	L	B	20060101	H	EP

DESI GNATED COUNTRY ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;  
 BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;  
 GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA;  
 LC; LK; LR; LS; LT; LU; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI;  
 NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ;  
 TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC DESI GNATED REG ONAL: AT; BE; BG; CH;  
 CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC;  
 NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; OM; GA; GN; GQ; GW; M;  
 MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM;  
 ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

8/3, K/12 (Item 8 from file: 399)  
 DI ALCG(R) File 399: CA SEARCH(R)  
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142387960 CA: 142(21)387960r PATENT  
 Protein and nucleotide sequences of Bordetella protein BASB232 and its  
 other aapeutic use

hsf andt bp.txt  
I INVENTOR(AUTHOR): Cast ado, Cindy; Denoel, Philippe; Godfr o id, Fabrice;  
Pool man, Jan

LOCATI ON: Bel g.

ASSI GNEE: Gl axosm thkline Bi ol ogi cal s S. A.

PATENT: PCT International ; WO 2005032584 A2 DATE: 20050414

APPLI CATI ON: WO 2004EP11082 (20041001) \*GB 200323113 (20031002) \*GB 200323112 (20031002)

PAGES: 172 pp. CODEN: PI XXD2 LANGUAGE: Engl i sh

PATENT CLASSI FI CATI ONS:

CLASS: A61K-039/10A

DESI GNATED COUNTRY ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;  
BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD;  
GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS;  
LT; LU; LV; MA; MD; MG; MN; MW; MK; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;  
PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US;  
UZ; VC; VN; YU; ZA; ZM; ZW DESI GNATED REGI GNAL: BW; GH; GM; KE; LS; MW; MZ;  
NA; SD; SL; SZ; TZ; UG; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT;  
BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; I; E; IT; LU; MC; NL;  
PL; PT; RO; SE; SI; SK; TR; BF; BJ; OF; OG; CI; OM; GA; GN; GQ; GW; M; MR;  
NE; SN; TD; TG

8/3, K/13 (Item 9 from file: 399)  
DI ALCG(R) File 399: CA SEARCH(R)  
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140259048 CA: 140(16)259048W PATENT

Neisseria outer membrane Fpr protein containing loop-deletions for improved refolding and vaccine use

I INVENTOR(AUTHOR): Bi emans, Pal ph; Denoel, Philippe; Feron, Christiane; Goraj, Karine; Kortekaas, Jeroen; Pool man, Jan; Tommassen, Jan; Weynants, Vi ncent

LOCATI ON: Bel g.

ASSI GNEE: Gl axosm thkline Bi ol ogi cal s S. A.; Utrecht Uni versity;

Technolog y Foundation (Sichting Voor de Technische Wetenschappen)

PATENT: PCT International ; WO 200420463 A2 DATE: 20040311

APPLI CATI ON: WO 2003EP9634 (20030828) \*GB 200220199 (20020830)

PAGES: 104 pp. CODEN: PI XXD2 LANGUAGE: Engl i sh

PATENT CLASSI FI CATI ONS:

CLASS: C07K 014/00A

DESI GNATED COUNTRY ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;  
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD;  
GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS;  
LT; LU; LV; MA; MD; MG; MN; MW; MK; MZ; NA; NI; NO; NZ; OM; PG; PH; PL; PT;  
RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ;  
VC; VN; YU; ZA; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; DESI GNATED REGI GNAL: GH; GM; KE;  
LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK;  
EE; ES; FI; FR; GB; GR; HU; I; E; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;  
BJ; OF; OG; CI; CM; GA; GN; GQ; GW; M; MR; NE; SN; TD; TG

8/3, K/14 (Item 10 from file: 399)  
DI ALCG(R) File 399: CA SEARCH(R)  
(c) 2009 Ameri can Chem cal Soci ety. All rts. reserv.

140249770 CA: 140(16)249770M PATENT

Refolding of recombinantly produced NspA protein from Neisseria using the deter gent SB-12 in an alkaline refolding buffer and use of NspA in the treatment, prevention and diagnosis of Neisserial infections

I INVENTOR(AUTHOR): Bi emans, Pal ph; Bos, Martine; Denoel, Philippe; Feron, Christiane; Goraj, Karine; Pool man, Jan; Tommassen, Jan; Weynants, Vi ncent

LOCATI ON: Bel g.

ASSI GNEE: Gl axosm thkline Bi ol ogi cal s S. A.; Utrecht Uni versity

PATENT: PCT International ; WO 200420452 A2 DATE: 20040311  
 APPLI CATI ON: WO 2003EP10085 (20030828) \*GB 200220197 (20020830)  
 PAGES: 62 pp. CODEN: PI XXD2 LANGUAGE: English  
 PATENT CLASSIFI CATI CNS:

CLASS: C07K/000/A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;  
 CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;  
 GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;  
 LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;  
 SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;  
 YU; ZA; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; DESIGNED REG CNAL: GH; GM; KE  
 LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; BG; CH; CY; CZ; DE; DK;  
 EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;  
 BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

8/3, K/15 (Item 11 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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140198071 CA: 140(13)198071Z PATENT

Menningococcal genetically engineered vaccine composition which has a fixed or locked lipooligosaccharide (LOS) immunotype

INVENTOR/AUTHOR: Biemann, Ralph; Denoel, Philippe; Feron, Christiane; Goraj, Karine; Jennings, Michael Paul; Poolman, Jan; Veynants, Vincent  
 LOCATI ON: Belg

ASSI GNEE: Glaxosmithkline Biologicals S.A.; The University of Queensland  
 PATENT: PCT International ; WO 200415099 A2 DATE: 20040219

APPLI CATI ON: WO 2003EP8569 (20030731) \*GB 200218037 (20020802) \*GB  
 200218036 (20020802) \*GB 200218035 (20020802) \*GB 200218051 (20020802) \*GB  
 200220197 (20020830) \*GB 200220199 (20020830) \*GB 200225524 (20021101) \*GB  
 200225531 (20021101) \*GB 200230164 (20021224) \*GB 200230168 (20021224) \*GB  
 200230170 (20021224) \*GB 20035028 (20030305)

PAGES: 42 pp. CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSIFI CATI CNS:

CLASS: C12N-015/00A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;  
 CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;  
 GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;  
 LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;  
 SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;  
 YU; ZA; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; DESIGNED REG CNAL: GH; GM; KE  
 LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; BG; CH; CY; CZ; DE; DK;  
 EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;  
 BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

8/3, K/16 (Item 12 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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140198065 CA: 140(13)198065A PATENT

Vaccine compositions comprising Neisserial adhesin, autotransporter, toxin, iron acquisition protein and membrane-associated protein against Neisserial infection

INVENTOR/AUTHOR: Berthet, Francois-xavier Jacques; Biemann, Ralph;  
 Denoel, Philippe; Feron, Christiane; Goraj, Karine; Poolman, Jan; Veynants, Vincent  
 LOCATI ON: Belg

ASSI GNEE: Glaxosmithkline Biologicals S.A.

PATENT: PCT International ; WO 200414418 A2 DATE: 20040219

APPLI CATI ON: WO 2003EP8571 (20030731) \*GB 200218037 (20020802) \*GB  
 200218036 (20020802) \*GB 200218035 (20020802) \*GB 200218051 (20020802) \*GB

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200220197 (20020830) \*GB 200220199 (20020830) \*GB 200225524 (20021101) \*GB  
200225531 (20021101) \*GB 200230164 (20021224) \*GB 200230168 (20021224) \*GB  
200230170 (20021224) \*GB 20035028 (20030305)

PAGES: 113 pp. CODEN: PI XXD2 LANGUAGE: English  
PATENT CLASSI: FI CATI: CNS:

CLASS: A61K 039/02A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;  
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;  
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;  
LV; MA; MD; MG; MN; MW; MK; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;  
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;  
YU; ZA; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU DESIGNED REGIONAL: GH; GM; KE  
. LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK;  
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;  
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

8/3, K/17 (Item 13 from file: 399)  
DI ALCOHOL FILE 399: CA SEARCH(R)

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140180125 CA: 140(12)180125K PATENT

Vaccine composition comprising transferrin binding protein and Hsf  
against Neisseria meningitidis, Neisseria gonorrhoeae, Moraxella  
catarrhalis and Haemophilus influenzae

INVENTOR/AUTHOR: Berthet, Francois-xavier Jacques; Biemans, Ralph;  
Denoel, Philippe; Feron, Christiane; Goraj, Carine; Poolman, Jan; Weynants,  
Vincent

LCATI: ON: Belg.

ASSIGNEE: Galaxosynthkline Biologicals S.A.

PATENT: PCT International; WO 200414419 A1 DATE: 20040219

APPLICATI: ON: WO 2003EP8567 (20030731) \*GB 200218037 (20020802) \*GB  
200218036 (20020802) \*GB 200218035 (20020802) \*GB 200218051 (20020802) \*GB  
200220197 (20020830) \*GB 200220199 (20020830) \*GB 200225524 (20021101) \*GB  
200225531 (20021101) \*GB 200230164 (20021224) \*GB 200230168 (20021224) \*GB  
200230170 (20021224) \*GB 20035028 (20030305)

PAGES: 64 pp. CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSI: FI CATI: CNS:

CLASS: A61K 039/095A; A61K-039/102B; A61K-039/00B

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;  
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;  
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;  
LV; MA; MD; MG; MN; MW; MK; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;  
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;  
YU; ZA; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU DESIGNED REGIONAL: GH; GM; KE  
. LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK;  
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;  
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

8/3, K/18 (Item 14 from file: 399)  
DI ALCOHOL FILE 399: CA SEARCH(R)

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140180124 CA: 140(12)180124J PATENT

Engineered meningococcal strains comprising LOS subunit or outer membrane  
vesicle with downregulated or deleted PorA, Cpa and/or Cpc for use as  
neisserial vaccines

INVENTOR/AUTHOR: Biemans, Ralph; Denoel, Philippe; Feron, Christiane;  
Goraj, Carine; Poolman, Jan; Weynants, Vincent

LCATI: ON: Belg.

ASSIGNEE: Galaxosynthkline Biologicals SA

PATENT: PCT International; WO 200414417 A2 DATE: 20040219

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APPLI CATI ON: WO 2003EP8568 (20030731) \*GB 200218037 (20020802) \*GB  
200218036 (20020802) \*GB 200218035 (20020802) \*GB 200218051 (20020802) \*GB  
200220197 (20020830) \*GB 200220199 (20020830) \*GB 200225524 (20021101) \*GB  
200225531 (20021101) \*GB 200230164 (20021224) \*GB 200230168 (20021224) \*GB  
200230170 (20021224) \*GB 20035028 (20030305)

PAGES: 51 pp. CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSIFI CATION:

CLASS: A61K-039/00A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;  
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;  
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;  
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;  
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;  
YU; ZA; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU DESIGNATED REGIONAL: GH; GM; KE;  
LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; BG; CH; CY; CZ; DE; DK;  
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;  
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

8/3, K/19 (Item 15 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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137184447 CA: 137(13) 184447C PATENT

Vaccine composition comprising hyperbifibbin Gram-negative bacteria which have down-regulated tol genes and mutated peptidoglycan-binding proteins INVENTOR(AUTHOR): Berthet, Francois-Xavier; Jacques, Denoel, Philippe; Neyt, Cecile Anne; Poolman, Jan; Thonnard, Joelle LOCATION: Bel g.

ASSIGNEE: Smithkline Beecham Biologicals S.A.

PATENT: PCT International ; WO 200262378 A2 DATE: 20020815

APPLI CATI ON: WO 2002EP1361 (20020208) \*GB 20013171 (20010208)

PAGES: 71 pp. CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSIFI CATION:

CLASS: A61K-039/00A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;  
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;  
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;  
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;  
SG; SI; SK; SL; TZ; UG; ZM; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; DESIGNED REGIONAL: GH; GM; KE; LS; MW  
; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LU; MC; NL; PT; SE; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW  
; ML; MR; NE; SN; TD; TG

8/3, K/20 (Item 16 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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137138812 CA: 137(10) 138812V CONFERENCE PROCEEDING

Cutter membrane vaccines and other options for a meningococcal B vaccine AUTHOR(S): Poolman, J. T.; Feron, C.; Dequesne, G.; Denoel, P. A.; Dessoy, S.; Goraj, K. K.; Janssens, D. E.; Kumert, S.; Lobet, Y.; Mertens, E.; Monnom, D. Y.; Momin, P.; Pepin, N.; Ruette, J.-L.; Thonnard, J. J.; Verlant, V. G.; Voet, P.; Berthet, F. X. LOCATI ON: UK

JOURNAL: Emerging Strategies Fight Meningitis (Emerging Strategies in the Fight against Meningitis) EDITOR: Ferreiros, Carlos (Ed), Criado, Maria Teresa (Ed), Vazquez, Julio (Ed) DATE: 2002 PAGES: 135-149 CODEN:  
69CKED LANGUAGE: English PUBLISHER: Horizon Scientific Press, Wymondham  
UK ISBN: 1-898486-34-4

8/3, K/21 (Item 17 from file: 399)  
 DI ALCG(R) File 399: CA SEARCH(R)  
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136166052 CA: 136(1) 166052v PATENT  
 Vaccine composition

INVENTOR(AUTHOR): Berthet, Francois-Xavier Jacques; Dalmans, Wilfried; Denoel, Philippe; Dequesne, Guy; Feron, Christiane; Garcon, Nathalie; Lobet, Yves; Poolman, Jan; Thiry, Georges; Thonnard, Joelle; Voet, Pierre  
 LOCATI CN: Belg.

ASSIGNEE: Smithkline Beecham Biologicals S.A.

PATENT: PCT International ; WO 200209746 A2 DATE: 20020207  
 APPLI CATI CN: WO 2001EP8857 (20010731) \*EP 2000956369 (20000731) \*GB 20013170 (20010208)

PAGES: 125 pp. CODEN: PI XXD2 LANGUAGE: English  
 PATENT CLASSIFI CATIONS:

CLASS: A61K 039/00A  
 DESI GNATED COUNTRY ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;  
 CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH; GM;  
 HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; LZ; LR; LS; LT; LU;  
 LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI;  
 SK; SL; TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZW; AM; AZ; BY; KG;  
 KZ; MD; RU; TU; TM DESI GNATED REGI ONAL: GH; GM; KE; LS; MW; MZ; SD; SL; SZ;  
 TZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC;  
 NL; PT; SE; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD;  
 TG

8/3, K/22 (Item 18 from file: 399)  
 DI ALCG(R) File 399: CA SEARCH(R)  
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134146387 CA: 134(11) 146387p PATENT  
 Immuno-protective and non-toxic Gram-neg. bleb vaccine suitable for  
 pediatric use

INVENTOR(AUTHOR): Berthet, Francois-xavier Jacques; Dalmans, Wilfried L.; Denoel, Philippe; Dequesne, Guy; Feron, Christiane; Lobet, Yves; Poolman, Jan; Thiry, Georges; Thonnard, Joelle; Voet, Pierre  
 LOCATI CN: Belg.

ASSIGNEE: Smithkline Beecham Biologicals S.A.

PATENT: PCT International ; WO 200109350 A2 DATE: 20010208  
 APPLI CATI CN: WO 2000EP7424 (20000731) \*GB 9918319 (19990803)

PAGES: 128 pp. CODEN: PI XXD2 LANGUAGE: English  
 PATENT CLASSIFI CATIONS:

CLASS: C12N-015/74A; A61K-039/02B; C12N-015/31B; C12N-015/67B;  
 A61K-039/095B; A61K-039/116B; A61K-039/118B; A61K-039/09B; A61K-039/104B;  
 A61K-039/102B; A61K-039/295B; C07K-014/195B; C12N-001/21B  
 DESI GNATED COUNTRY ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;  
 CA; CH; CN; CR; CU; CZ; DE; DK; DM; DZ; EE; ES; FI; GB; GD; GE; GH; GM; HR;  
 HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; LZ; LR; LS; LT; LU; LV; MA;  
 MD; MG; MK; MN; MW; MX; MZ; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL;  
 TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZW; AM; AZ; BY; KG; KZ; MD;  
 RU; TU; TM DESI GNATED REGI ONAL: GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG;  
 ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT;  
 SE; BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG  
 ? e au=gorah, car?

Ref	Items	Index-term
E1	1	AU-GORAKER, M A.
E2	5	AU-GORAKER, MA
E3	0	*AU-GORAH, CAR?
E4	1	AU-GORAH, YU. T.

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E5	14	AU=GORA HARPER ML
E6	1	AU=GORAHL ROGERS, FREDERICK
E7	17	AU=GORAI A K
E8	4	AU=GORAI A P
E9	3	AU=GORAI A. K.
E10	1	AU=GORAI A. P.
E11	3	AU=GORAI AK
E12	1	AU=GORAI AM

Enter P or PAGE for more  
? e au=gorah, carine?

Ref	Items	Index-term
E1	1	AU=GORA GUER, M A.
E2	5	AU=GORA GUER, MA
E3	0	* AU=GORAH, CARINE?
E4	1	AU=GORAH, YU. T.
E5	14	AU=GORA HARPER ML
E6	1	AU=GORAHL ROGERS, FREDERICK
E7	17	AU=GORAI A K
E8	4	AU=GORAI A P
E9	3	AU=GORAI A. K.
E10	1	AU=GORAI A. P.
E11	3	AU=GORAI AK
E12	1	AU=GORAI AM

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? e au=pool man, jan?

Ref	Items	Index-term
E1	1	AU=POOLMAN, JAN TEUNIS
E2	5	AU=POOLMAN, JAN THEUNIS
E3	0	* AU=POOLMAN, JAN?
E4	161	AU=POOLMAN, JT
E5	1	AU=POOLMAN, K H.
E6	1	AU=POOLMAN, KENNETH
E7	1	AU=POOLMAN, LESLIE JOHN
E8	1	AU=POOLMAN, M
E9	3	AU=POOLMAN, M
E10	1	AU=POOLMAN, M G
E11	10	AU=POOLMAN, M G
E12	6	AU=POOLMAN, M G

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? s e1-e3

1	AU=POOLMAN, JAN TEUNIS
5	AU=POOLMAN, JAN THEUNIS
0	AU=POOLMAN, JAN?
S9	6 E1-E3

? s s9 and Neisseria

6	S9
154615	NEISSERIA
S10	2 S9 AND NEISSERIA

? rd

>>>Duplicate detection is not supported for File 393.

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.  
S11 2 RD (unique items)

? t s1/3, k/1-2

>>>KWC option is not available in file(s): 399

hsf and bp.txt

1/3, K1 (Item 1 from file: 98)  
DI ALCG(R) File: 98: General Sci Abs  
(c) 2009 The HW Wilson Co. All rights reserved.

5951515 H.W. WLSN RECORD NUMBER: BGS98055548  
Attenuation of virulence by disruption of the Mycobacterium tuberculosis  
erp gene  
Berthet, Francois-Xavier  
Lagrandiere, Micheline; Gounon, Pierre  
Science v. 282 no5389 (October 23 1998) p. 759-62  
DOCUMENT TYPE: Feature Article  
SPECIAL FEATURES: Biography Illustration ISSN: 0036-8075  
LANGUAGE: English  
COUNTRY OF PUBLICATION: United States

Berthet, Francois-Xavier

1/3, K2 (Item 2 from file: 98)  
DI ALCG(R) File: 98: General Sci Abs  
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04048580 H.W. WLSN RECORD NUMBER: BGS99048580  
Use of fluorescence induction and sucrose counterselection to identify  
Mycobacterium tuberculosis genes expressed within host cells.  
Triccas, James A  
Berthet, Francois-Xavier; Pellicci, Vladimir  
Microbiology (Microbiology) v. 145 pt 10 (Oct. 1999) p. 2923-30  
SPECIAL FEATURES: bibliogr. ISSN: 1350-0872  
LANGUAGE: English  
COUNTRY OF PUBLICATION: United Kingdom

Berthet, Francois-Xavier; Pellicci, Vladimir  
? eau=weynants, vincent?

Ref	Items	Index-term
E1	10	AU=WEYNANTS, VINCENT E
E2	7	AU=WEYNANTS, VINCENT E.
E3	0 *	AU=WEYNANTS, VINCENT?
E4	4	AU=WEYNARD, L. S.
E5	1	AU=WEYNBANNING L
E6	2	AU=WEYNBERG P A
E7	1	AU=WEYNBERG, P.
E8	1	AU=WEYNBERG, P. A.
E9	2	AU=WEYNBERG, P.
E10	2	AU=WEYNBERG, P. A.
E11	2	AU=WEYNOLING C
E12	1	AU=WEYNOLING, W W

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? s e1-e2  
10 AU=WEYNANTS, VINCENT E  
7 AU=WEYNANTS, VINCENT E.  
S12 17 E1-E2

? rd

>>> Duplicate detection is not supported for File 393.

>>> Duplicate detection is not supported for File 391.

>>> Records from unsupported files will be retained in the RD set.  
S13 7 RD (unique items)

hsf and bp.txt

? s s13 and Neisseria  
7 S13  
154615 NEISSERIA  
S14 4 S13 AND NEISSERIA  
? t s14/3, k/1-4  
>>>KWC option is not available in file(s): 399

14/3, K/1 (Item 1 from file: 24)  
DI ALGO(R) File 24: CSA Life Sciences Abstracts  
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0003160890 IP ACCESSION NO: 7931981  
Additive and Synergistic Bactericidal Activity of Antibodies Directed  
against Major Outer Membrane Proteins of *Neisseria meningitidis*

Weynants, Vincent E; Feron, Christiane M; Goraj, Karine K; Bos,  
Martine P; Denoel, Philippe A; Verlant, Vincent G; Tommassen, Jan;  
Peak, Ian PA; Judd, Ralph C; Jennings, Michael P; Poolman, Jan T  
GaxoSmithKline Biologicals, B-1330 Rixensart, Belgium, Department of  
Molecular Microbiology, Utrecht University, 3584-CH Utrecht, The  
Netherlands, Institute for Glycomics, Griffith University, Southport QLD  
4215, Australia, Division of Biological Sciences, University of Montana,  
Missoula, Montana 59812, School of Molecular & Microbial Sciences,  
University of Queensland, Brisbane QLD 4072, Australia

Infection and Immunity, v 75, n 11, p 5434-5442, November 2007  
PUBLICATION DATE: 2007

PUBLISHER: American Society for Microbiology, 1752 N Street NW  
Washington, DC 20036 USA, [URL: <http://www.asm.org/>]

DOCUMENT TYPE: Journal Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
ISSN: 0019-9567  
ELECTRONIC ISSN: 1098-5522  
FILE SEGMENT: Immunology Abstracts; Bacteriology Abstracts (Microbiology B)

Additive and Synergistic Bactericidal Activity of Antibodies Directed  
against Major Outer Membrane Proteins of *Neisseria meningitidis*

Weynants, Vincent E; Feron, Christiane M; Goraj, Karine K; Bos,  
Martine P; Denoel, Philippe A; Verlant...

ABSTRACT:  
*Neisseria meningitidis* serogroup B is a major cause of bacterial  
meningitis in younger populations. The available...

... DESCRIPTORS: Antibodies; Bactericidal activity; Children; Complement;  
Cross-protection; Membrane vesicles; Meningitis; Mucry; Vaccines;  
outer membrane proteins; *Neisseria meningitidis*

14/3, K/2 (Item 2 from file: 24)  
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0002964326 IP ACCESSION NO: 7175484  
Shielding of immunogenic domains in *Neisseria meningitidis* FspB  
(Fet A) by the major variable region

hsf and bp.txt  
Kortekaas, Jeroen; Pettersson, Annika; Van der Biezen, Jenny;  
Weynants, Vincent E; Van der Ley, Peter; Poolman, Jan; Bos,  
Martine P; Tormassen, Jan  
Department of Molecular Microbiology and Institute of Biomembranes, Utrecht  
University, Padualaan, 3584 CH Utrecht, The Netherlands,  
[mailto:m.p.bos@io.uu.nl]

Vaccine, v 25, n 1, p 72-84, January 2007  
PUBLICATION DATE: 2007

PUBLISHER: Elsevier Science Ltd., The Boulevard Langford Lane Kidlington  
Oxford OX5 1GB UK, [mailto:usinfo-f@elsevier.com],  
[URL: http://www.elsevier.nl]

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0264-410X

FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Immunology Abstracts

Shielding of immunogenic domains in Neisseria meningitidis FspB  
(FetA) by the major variable region

Kortekaas, Jeroen; Pettersson, Annika; Van der Biezen, Jenny;  
Weynants, Vincent E; Van der Ley, Peter; Poolman, Jan; Bos,  
Martine P; Tormassen, Jan

... DESCRIPTORS: sequence; Epitope mapping; Immune response; Immunity;  
Immunization; Immunofluorescence; Microscopy; Vaccines; Variable  
region; outer membrane proteins; Neisseria meningitidis

14/3, K/3 (Item 3 from file: 24)  
DISCGR File 24: CSA Life Sciences Abstracts  
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0002950345 IP ACCESSION NO: 7047661

Immunogenicity and structural characterisation of an in vitro folded  
meningococcal siderophore receptor (FspB, FetA)

Kortekaas, Jeroen; Mueller, Shirley A; Rügger, Philippe; Gregorini,  
Marco; Weynants, Vincent E; Rutten, Lucy; Bos, Martine P;  
Tormassen, Jan  
Department of Molecular Microbiology, Institute of Biomembranes, Utrecht  
University, Padualaan 8, 3584 CH Utrecht, The Netherlands,  
[mailto:m.p.bos@io.uu.nl]

Microbes and Infection, v 8, n 8, p 2145-2153, July 2006  
PUBLICATION DATE: 2006

PUBLISHER: Editions Scientifiques et Médicales Elsevier, 23 rue Linois  
75724 Paris cedex 15 France, [URL: http://www.elsevier.fr]

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 1286-4579

FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Immunology Abstracts

Kortekaas, Jeroen; Mueller, Shirley A; Rügger, Philippe; Gregorini,  
Page 27

hsf and bp.txt  
Marco; Weynants, Vincent E; Ruttens, Lucy; Bos, Martine P;  
Tommassen, Jan

#### ABSTRACT:

The iron-limitation-inducible protein FrpB of *Neisseria meningitidis* is an outer-membrane-localized siderophore receptor. Because of its abundance and its capacity...

... DESCRIPTORS: protein; Immunogenicity; Inclusion bodies; Laboratory animals; Protein folding; Protein structure; Vaccines; siderophore receptors; *Escherichia coli*; *Neisseria meningitidis*

14/3, K/4 (Item 4 from file: 24)  
DI ALCG(R) File 24: CSA Life Sciences Abstracts  
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0002816358 IP ACCESSION NO: 6737828  
Vaccine potential of the *Neisseria meningitidis* lactoferrin-binding proteins LbpA and LbpB

Pettersson, Anni ka; Kortekaas, Jeroen; Weynants, Vincent E; Voet, Pi erre; Poolman, Jan T; Bos, Martine P; Tommassen, Jan  
Department of Molecular Microbiology, Institute of Biomembranes, Utrecht University, Padualaan 8, 3584 CH Utrecht, The Netherlands,  
[mailto:m.p.bos@uu.nl]

Vaccine, v 24, n 17, p 3545-3557, 2006  
PUBLICATION DATE: 2006

PUBLISHER: Butterworth-Heinemann, 313 Washington St., Newton MA 02158 USA

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0264-410X

FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Immunology Abstracts  
Vaccine potential of the *Neisseria meningitidis* lactoferrin-binding proteins LbpA and LbpB

Pettersson, Anni ka; Kortekaas, Jeroen; Weynants, Vincent E; Voet, Pi erre; Poolman, Jan T; Bos, Martine P; Tommassen, Jan

#### ABSTRACT:

The vaccine potential of the *Neisseria meningitidis* lactoferrin-binding proteins LbpA and LbpB was evaluated. Sequencing and sequence alignment suggested that...

... DESCRIPTORS: Outer membranes; Antisera; LbpA protein; Nucleotide sequence; Monoclonal antibodies; Bactericidal activity; Western blotting; LbpB protein; *Neisseria meningitidis*; *Escherichia coli*? s *Neisseria* and ((Hsf or autotransport?) and (transferin(w)bind? or Tbp))  
Processing

Processed 20 of 56 files...  
Completed processing all files

154615 NEISSERIA

11088 HSF

4145 AUTOTRANSPORT?

812 TRANSFERIN

8485094 BIND?

hsf and t bp. txt

8 TRANSFERIN(W) BI ND?

44024 TBP

S15 1 NEISSERIA AND ((HSF OR AUTOTRANSPORT?) AND  
(TRANSFERIN(W) BI ND? OR TBP))

?  
? t s15/3, k/1  
>>>KWC option is not available in file(s): 399

15/3, K/1 (item 1 from file: 357)  
DI ALG(R) File 357: Derwent Biotech Res.  
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0337155 DBP Accession No.: 2004-09447 PATENT  
New immunogenic composition comprising transferrin binding protein and  
Hsf like protein, useful for treating or preventing disease  
caused by Neisseria meningitidis or N. gonorrhoeae, Mbraxella  
catarrhalis or Haemophilus influenzae - immunogenic composition for use  
in bacterium infection therapy and vaccine

AUTHOR: BERTHET F J; BLENWANS R; DENCHEL P; FERON C; GORAJ C; POOLMAN J;  
WEYNANTS V

PATENT ASSIGNEE: GLAXOSMITHKLINE BIOLOGICALS SA 2004

PATENT NUMBER: WO 200414419 PATENT DATE: 20040219 WIPO ACCESSION NO.:  
2004-169460 (200416)

PRIORITY APPLIC. NO.: GB 20035028 APPLIC. DATE: 20030305  
NATIONAL APPLIC. NO.: WO 2003EP8567 APPLIC. DATE: 20030731

LANGUAGE: English

New immunogenic composition comprising transferrin binding protein and  
Hsf like protein, useful for treating or preventing disease  
caused by Neisseria meningitidis or N. gonorrhoeae, Mbraxella  
catarrhalis or Haemophilus influenzae - immunogenic composition for use  
in bacterium..

ABSTRACT: DERVENT ABSTRACT: NOVELTY - A new immunogenic composition  
comprises an isolated transferrin binding protein (Tbp) or its  
antigenic fragment and an isolated Hsf like protein or its  
antigenic from the same or different Gram negative bacteria. DETAILED  
DESCRIPTION...

...or preventing Neisserial infection; and (7) a pharmaceutical preparation  
comprising monoclonal antibodies against TbpA and Hsf of  
Neisseria meningitidis and an excipient. BIOTECHNOLOGY -  
Preferred Composition: The immunogenic composition comprises high  
molecular weight form...

...molecular weight form TbpA and low molecular weight form TbpA. It  
comprises antigenic fragments of Tbp and/or Hsf like  
protein capable of generating a protective response against  
Neisseria meningitidis serogroup B, Neisseria gonorrhoeae,  
Mbraxella catarrhalis or Haemophilus influenzae infection. It comprises  
antigenic fragments of TbpA and/or Hsf. It comprises a fusion  
protein of Tbp and Hsf like protein or TbpA and Hsf  
capable of generating a protective response against Neisserial  
infection. The Hsf like protein or transferrin binding protein is  
derived from Neisseria meningitidis serogroup B, Neisseria  
gonorrhoeae, Mbraxella catarrhalis or Haemophilus influenzae. The  
transferrin binding protein is TbpA. The immunogenic composition...

...preparation derived from Gram negative bacteria, in which expression of  
both transferrin binding protein and Hsf like protein are at  
least 1.5 fold higher than naturally occurring in the unmodified...

...limitation conditions. At least a part of the outer membrane vesicle  
preparation is derived from Neisseria meningitidis serogroup B,

hsf and tbp.txt

Neisseria gonorrhoeae, Moraxella catarrhalis or Haemophilus influenzae. The transferrin binding protein and Hsf like protein are upregulated on different vesicles originating from different bacterial strains or on the...

... as to introduce a stronger promoter sequence upstream of genes encoding transferrin binding protein and Hsf like protein. A host cell from which the outer membrane vesicle preparation is derived has...

... comprises two or more bacterial capsular polysaccharides or oligosaccharides conjugated to transferrin binding protein or Hsf like proteins or both. The capsular polysaccharide or oligosaccharide is derived from Neisseria meningitidis serogroup B, Neisseria gonorrhoeae, Moraxella catarrhalis or Haemophilus influenzae. The immunogenic composition also comprises one or more polynucleotides encoding a transferrin binding protein and a Hsf like protein whose expression is driven by a eukaryotic promoter. It further comprises an adjuvant containing CpG. It also comprises aluminium salts or 3D-MPL. The TbpA and Hsf of Neisseria meningitidis are encoded. Preferred Method: Treating or preventing Gram-negative bacterial disease comprises administering the...

... treated. Making the immunogenic composition comprises: (1) mixing together isolated transferrin binding protein and isolated Hsf like protein; (2) isolating outer membrane vesicles from a Gram negative bacterial culture, which involves...

... DCC, and (3) conjugating bacterial capsular polysaccharides or oligosaccharides to transferrin binding protein and/or Hsf like protein. Making the vaccine comprises combining the immunogenic composition with an excipient. Preparing an...

... ACTION - Vaccine, USE - The immunogenic composition is useful for treating or preventing infection caused by Neisseria meningitidis serogroup B, Neisseria gonorrhoeae, Moraxella catarrhalis or Haemophilus influenzae (claimed). ADMINISTRATION - The composition is administered via oral or...

DESCRIPTIONS: immunogenic composition, transferrin binding protein is sol., Hsf-like protein, fusion protein, genetically engineered bacterium outer membrane vesicle, monoclonal antibody, appl. Neisseria meningitidis, Neisseria gonorrhoeae, Moraxella catarrhalis, Haemophilus influenzae infection therapy, recombinant vaccine protein bacterium (23, 19)

? ds

Set	Items	Description
S1	42	E4-E9
S2	26	RD (unique items)
S3	5	S2 AND NEISSERIA
S4	73	E1-E4
S5	16	S4 AND NEISSERIA
S6	15	RD (unique items)
S7	94	E1-E8
S8	22	S7 AND NEISSERIA
S9	6	E1-E3
S10	2	S9 AND NEISSERIA
S11	2	RD (unique items)
S12	17	E1-E2
S13	7	RD (unique items)
S14	4	S13 AND NEISSERIA
S15	1	NEISSERIA AND ((HSF OR AUTOTRANSPORT?) AND (TRANSFERRIN(W-B-IND? OR TBP))